

Appl. No. 09/868,706
Amdt. Dated June 2, 2005
Reply to Office action of March 18, 2005
Attorney Docket No. P11037-US1
EUS/J/P/05-1147

Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Method of transmitting data by a multiple carrier method, ~~e.g. DMT (Discrete Multitone)~~ in a transmission channel in which the data are combined in a transmitter into a transmitter signal in the form of transmitter blocks with the same number M of information symbols, are modulated and transmitted by an Inverse Fast Fourier Transform (IFFT) of the transformation length M and are demodulated in a receiver by the Fast Fourier Transform (FFT), wherein, on the transmitter side, one guard interval for equalization on the side of the receiver is inserted each between the transmitter blocks and transmitted together with them, said guard interval having a length (P) that is greater than or equal to the memory length of the transmission channel, wherein demodulation is carried out in the receiver by means of the Fast Fourier Transform (FFT) with a receiver transformation length L that is greater than or equal to the sum of the transformation length M and the length P of the guard interval, **wherein** the signal values of the transmitter signal contained in the guard interval have a signal amplitude of zero.
2. (Previously Presented) Method according to claim 1, **wherein** the receiver into blocks of the block length $M+P$ and that each of these blocks is lengthened by appending zeros to the receiver transformation length L .
3. (Previously Presented) Method according to claim 1, **wherein** the receiver transformation length L of the Fast Fourier Transform (FFT) equals the double transformation length $2.M$.
4. (Previously Presented) Method according to claim 1, **wherein** the guard interval is transmitted each time before or after a transmitter block.
5. (Cancelled)